

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior listings:

1. (Currently Amended) A method of enhancing an immune response to an antigen in a mammal, comprising: ~~co-administering an antigen in combination with~~ lymphocyte conditioned medium ~~derived from~~ comprised of products generated from pooled samples of peripheral blood mononuclear cells activated with anti-CD3- and anti-CD28-coated beads and an antigen, wherein said co-administration facilitates and enhances dendritic cell maturation and antigen-presenting cell function which results in enhanced immunologic responses to the co-administered antigen in a culture medium to said ~~the~~ mammal.
2. (Canceled)
3. (Withdrawn) The method of Claim 1, wherein said antigen is HIV-1 or HIV-2.
4. (Withdrawn) The method of Claim 1, wherein said antigen is hepatitis-B.
5. (Withdrawn) The method of Claim 1, wherein said antigen is tetanus toxoid.
6. (Original) The method of Claim 1, wherein said antigen is prostate-specific antigen.
7. (Withdrawn) The method of Claim 1, wherein said antigen is hepatitis-A.
8. (Withdrawn) The method of Claim 1, wherein said antigen is diptheria.
9. (Original) The method of Claim 1, wherein the dosage of said lymphocyte conditioned medium is about 10 µg to about 500 µg.
10. (Original) The method of Claim 1, wherein said administration is selected from the group consisting of intracutaneous, subcutaneous and intramuscular injection and combinations thereof.

11. (Original) The method of Claim 1, wherein said administration is selected from the group consisting of weekly, biweekly, monthly, and yearly and combinations thereof.
12. (Withdrawn) A vaccine adjuvant composition for stimulation of an immune response in a host animal comprising supernatant derived from activated human lymphocytes cells cultured with growth media.
13. (Withdrawn) The composition of Claim 12, wherein said activation of said cells is effected with antibodies to CD3/CD28.
14. (Withdrawn) A vaccine adjuvant composition for stimulation of an immune response in a host animal comprising processed activated human lymphocytes cells cultured with growth media.
15. (Withdrawn) The composition of Claim 14, wherein said activation of said cells is effected with antibodies to CD3/CD28.
16. (Currently Amended) A method of enhancing an immune response to an antigen in a mammal, comprising: administering to the mammal a vaccine comprising an antigen and lymphocyte conditioned medium comprised of products generated from pooled samples of peripheral blood mononuclear cells activated with anti-CD3- and anti-CD28-coated beads, wherein the administration of the vaccine facilitates and enhances dendritic cell maturation and antigen-presenting cell function which results in enhanced immunologic responses to the antigen in the mammal.